ATTACHMENT J3

Bolling AFB Wastewater System

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J3 Bolling AFB Wastewater System

J3.1 Bolling AFB Overview

Bolling AFB occupies 607 acres of land in southeast Washington, D.C. at the confluence of the Potomac and Anacostia Rivers. The Base is contiguous with the South Capital Street / I-295 corridor along its eastern boundary and has approximately one and one half miles of Potomac River shoreline to the west. To the south is the Naval Research Laboratory and on the north is Naval Station Washington, Anacostia (NSWA).

On the base are 61 major operational buildings and 1385 units of military family housing.

The host organization at Bolling AFB is the 11th Wing. The Wing supports Air Force members in the Pentagon, to include the Secretary of the Air Force, the Chief of Staff, and all of the Air Force's senior leadership in the D.C. area. Also supported are some 40,000 personnel in over 80 countries who are not assigned to a MAJCOM. Finally, base level support is provided at Bolling AFB to Air Force and other services personnel, their family members, and retirees.

The Wing's support responsibilities are accomplished by the Wing Commander's staff and four Groups: The 11th Support Group, 11th Logistics Group, 11th Medical Group, and the 11th Operations Group. Unique in the Air Force, the Operations Group consists of the USAF Band, USAF Honor Guard, Arlington National Cemetery Chaplains, and the Ceremonies and Protocol Flight.

J3.2 Wastewater System Description

J3.2.1 Wastewater System Fixed Equipment Inventory

The Bolling wastewater system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the real estate instruments to point in which the collection system exits the base (Section B). The system may include, but is not limited to, pipelines, manholes, lift stations, valves, controls, treatment plants, meters, etc. The following description and inventory is included to provide the Contractor a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base the proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service cost adjustments based on the accuracy of the following description and inventory.

J3.2.1.1Description

The District of Columbia Water and Sewer Authority (WASA) provides wastewater treatment for Bolling AFB. They own collection trunklines that run the length of Bolling

AFB. Bolling AFB collection mains discharge directly into these 8-foot by 10-foot wastewater trunklines, and those trunklines carry the wastewater a short distance south of Bolling AFB to Blue Plains wastewater treatment plant. Wastewater is not directly metered. Current billing from WASA is based upon potable water consumption.

The wastewater network is comprised of approximately 96,335 linear feet of sewer pipe, two lift stations, and 349 manholes. The system ranges in age from 60 years old to recently installed. Bolling AFB has no wastewater treatment facilities. All wastewater is delivered to WASA via their trunklines that run through Bolling AFB.

J3.2.1.2Inventory

Table 1 provides a general listing of the major wastewater system fixed assets for the Bolling AFB wastewater system included in the purchase. The system will be sold in a "as is, where is" condition without any warrant, representation, or obligation on the part of the Government to many any alterations, repairs, or improvements. All ancillary equipment attached to and necessary for operating the system, though not specifically mentioned here-in, is considered part of the purchased utility.

TABLE 1
Fixed Inventory
Wastewater Utility System Bolling AFB

Item	Size	Quantity	Unit	Approximate Year of Construction
ACP Pipe	6 inch	5,877	LF	1975
ACP Pipe	8 inch	38,370	LF	1975
ACP Pipe	10 inch	1,324	LF	1975
ACP Pipe	12 inch	3,843	LF	1975
ACP Pipe	15 inch	1,265	LF	1975
Cast Iron Pipe (slip lined)	4 inch	483	LF	1995
Cast Iron Pipe (slip lined)	8 inch	160	LF	1995
Cast Iron Pipe	6 inch	105	LF	1940
Cast Iron Pipe	8 inch	1,155	LF	1940
Cast Iron Pipe	10 inch	192	LF	1940
PVC Pipe	4 inch	13,001	LF	1975 – 1995
PVC Pipe	6 inch	70	LF	1975 – 1995
PVC Pipe	8 inch	6,145	LF	1975 – 1995
Vitrified Clay Pipe	6 inch	10,466	LF	1970
Vitrified Clay Pipe	8 inch	12,035	LF	1970
Vitrified Clay Pipe	12 inch	263	LF	1970
Vitrified Clay Pipe	15 inch	792	LF	1970

Item	Size	Quantity	Unit	Approximate Year of Construction
Vitrified Clay Pipe	16 inch	715	LF	1970
Steel Pipe	6 inch	74	LF	1940
Standard Sanitary Sewer Manhole, 12 ft deep	5 ft. I.D.	116	EA	1940 – 1995
Standard Sanitary Sewer Manhole, 12 ft deep	4 ft I. D.	233	EA	1940 – 1995
Wastewater Lift/Pump Station at building 6000	3315 gpm (total for all four pumps)	4 Pumps 2 - 15 HP, 1500 gpm each, 1 – 5 HP, 350 gpm, and one 1/3 HP, 15 gpm sump pump	One Station	1993
Wastewater Lift/Pump Station at the Marina	1490 gpm (total for three pumps)	3 pumps – 2 – 10 HP, 725 gpm each, - 1 1/3HP, 40 gpm sump pump	One Station	1997
Wastewater Lift/Pump Station at the Post Office	300 gpm	I pump – 5 HP, 300 gpm, 4" discharge	One Station	1995
RPIE Emergency Generators for Sewage Equipment	None			
Wastewater Treatment Facility	None			

ACP = Asbestos Concrete Pipe
PVC = Polyvinyl Chloride
LF = Linear Feet
EA = Each

J3.2.2 Wastewater System Non-Fixed Equipment and Specialized Tools Inventory

Table 2 lists the other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment and tools prior to submitting his bid. Offerors shall make his own determination of the adequacy of all equipment and tools. The successful Contractor shall provide any and all equipment and tools, whether included in the purchase or not, to maintain a fully operating system under the terms of this contract.

TABLE 2
Spare Parts
Wastewater System Bolling AFB

Qty	Item	Make/Model	Description	Remarks

None

TABLE 3
Specialized Vehicles and Tools
Wastewater System Bolling AFB

Description	Quantity	Location	Maker
None			

J3.2.3 Wastewater Manuals, Drawings, and Records Inventory

Table 4 lists the manuals, drawings, and records that will be transferred with the system (e.g. plant records, flow studies, pipe inspections, pipe capacity studies, etc.).

TABLE 4
Manuals and Records
Wastewater System Bolling AFB

Qty	Item	Description	Remarks
1	Wastewater Collection System Drawings	Drawing G-1 of the Comprehensive Plan	CADD Format
1	Infrastructure Master Plan	Copy of the chapter on the wastewater system, August 1998	Hard Copy
1	Sanitary Sewer Main Study	Project BXUR 92-1221, March 7, 1997	Hard Copy

J3.3 Requirements and Standards

The service requirements and standards for the Bolling AFB wastewater collection system are as defined in the Section C, *Description/Specifications/Work Statement*. The following standards are specific to the Bolling AFB wastewater collection system and are in addition to those found in Section C. If there is a conflict between standards described below and Section C, the standards listed below take precedence over those found in Section C.

J3.4 Current Service Arrangement

WASA provides wastewater treatment for Bolling AFB. As required by this contract, the Contractor shall demonstrate the ability to meet and shall establish the requirements to provide wastewater service to Bolling AFB. Potable water consumption during Fiscal Year 1998 was approximately 34,000,000 CF.

J3.5 Secondary Metering

New Secondary Meters
Wastewater System Bolling AFB

Meter Location	Meter Description
Wastewater Lift/Pump Station at building 6000	Electric Meter - KWH
Wastewater Lift/Pump Station at the Marina	Electric Meter - KWH
Wastewater Lift/Pump Station at the Post Office	Electric Meter - KWH

There are currently no requirements for secondary metering of wastewater included in this contract. Any future wastewater secondary metering requested by the Government will be IAW paragraph C.3, Future Secondary Meters.

J3.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW paragraph G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to:

   Name: Financial Management Section Chief, 11CES/CERF
   Address: 370 Brookley Avenue, Washington DC 20332-5000
   Phone number: 202-404-6516

2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to:

   Name: Maintenance Engineering Section Chief, 11CES/CEOE
   Address: 370 Brookley Avenue, Washington DC 20332-5000
   Phone number: 202-404-8204

3. Infiltration and Inflow Report. If required by paragraph C.3, the Contractor shall submit a Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to:

Name: Maintenance Engineering Section Chief, 11CES/CEOE
Address: 370 Brookley Avenue, Washington DC 20332-5000
Phone number: 202-404-8204

J3.7 Infiltration and Inflow (I&I) Projects

IAW paragraph C.3, Utility Service Requirement, no projects have been implemented by the Government for managing and monitoring I&I.

J3.8 Service Area

IAW paragraph C.4, Service Area, the service area is defined as all areas within the Bolling AFB boundaries plus the sewer lift station and its associated piping servicing building 6000, Defense Intelligence Agency which extends onto Naval Station Washington, Anacostia.

J3.9 Off-Installation Sites

No off-installation sites are included in the sale of the Bolling AFB wastewater collection system.

J3.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 5** lists service connections and disconnections required upon transfer.

TABLE 5
Service Connections and Disconnections
Wastewater System Bolling AFB

Location	Description
None	

J3.11 Government Recognized System Deficiencies

Table 6 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Bolling AFB wastewater system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewal and Replacement Plan process and will be recovered through **Schedule L-3.** Renewal and Replacement projects will be recovered through **Sub-CLIN AB.**

TABLE 6
System Improvement Projects
Wastewater System Bolling AFB

Project Location	Project Description
None	

Note: refer to the Bolling AFB Infrastructure Master Plan dated August 1998, for information on current condition and problem areas of the system that the new owner may choose to repair or replace.